

DELAWARE PVC SITE
ADMINISTRATIVE RECORD FILE *
INDEX OF DOCUMENTS

I. SITE IDENTIFICATION

1. U.S. EPA Potential Hazardous Waste Site Identification and Preliminary Assessment, 1/30/80. P. 100001-100006. A note regarding wells and a map are attached.
2. U.S. EPA Potential Hazardous Waste Site Identification and Preliminary Assessment, 1/30/80. P. 100007-100010.
3. Memorandum to Mr. Jeffrey Hass, U.S. EPA, from Mr. William M. Thomas, U.S. EPA, re: Hazardous Waste Site Inspection and Trip Report, 3/11/80. P. 100011-100015. A sample analysis, a map of the site, and a well location map are attached.
4. Report: Case Development Plan, Section IV thru VIII, Third Draft, Stauffer Chemical Company, Delaware City, Delaware, prepared by U.S. EPA, 5/12/80. P. 100016-100186.
5. Memorandum to Mr. J. Gary Gardner, Mr. Robert L. Allen, Mr. Thomas C. Voltaggio, and Mr. Jeffrey Hass, U.S. EPA, from R.M. Twitchell, U.S. EPA, re: Petition published in the Federal Register requesting determination that a portion of the aquifer underlying New Castle County be designated as a Sole Source Aquifer, 6/10/80. P. 100187-100191. Two pages from the Federal Register, a geographic map of Delaware, and a map of the area protected for the aquifer are attached.
6. Sample Analysis for Stauffer Chemical Company, 7/80. P. 100192-100194. A well location map and a map of the site are attached.
7. Analytical Report, No. 393.36204, No. 393.36210 and No. 393.36402, 12/28/81 and 12/30/81. P. 100195-100199. A Construction Summary Operational Monitor Wells Report is attached.
8. Letter to Mr. Richard Ladd, Getty Refinery and Marketing Center, from Ms. Christine Hladchuck, U.S.

* Administrative Record File available 4/2/91, updated 1/27/92.

EPA, re: Sampling of the Getty well, 3/4/82.
P. 100200-100201. A memorandum of call form is
attached.

9. Organic Laboratory Report Case Sample No. 5047, Case 904, 3/10/82. P. 100202-100204.
10. U.S. EPA High Hazard Traffic Report, 3/9/82. P. 100205-100226. The following are attached:
 - a) preparation parameter results and contracts #633260;
 - b) inorganic bench sheet #63260-02;
 - c) organic bench sheet #260;
 - d) a sample conditions report;
 - e) HWDS sample preparation record #260;
 - f) a high hazard traffic report for sample No. C5048;
 - g) preparation parameter results and extracts #633.261;
 - h) organic bench sheet #261;
 - i) a grid sheet report;
 - j) a prepared hazardous waste contract custody record;
 - k) a NEIC regulated laboratory summary report;
 - l) a chain of custody record;
 - m) a hazardous waste sample preparation request;
 - n) a federal express receipt;
 - o) a federal express shipper's certification for hazardous materials;
 - p) a second federal express receipt;
 - q) a shipper's certification for restricted articles;
 - r) a site safety plan.

11. Memorandum to Mr. Paul Friedman, FIT NPMO, from Ms. Caryn Wojtowicz, Ecology and Environment, Inc., re: Chromatograms of the volatile organic scans performed as quality control checks on various lots of VOA (Volatile organics) vials, 3/9/82. P. 100227-100232. The chromatograms are attached.
12. Packet: U.S. EPA Sample Report, 3/26/82. P. 100233-100365. The following are attached:
 - a) an organic laboratory chronicle No. C5047;
 - b) an organic laboratory chronicle No. C5048;
 - c) a second organic laboratory chronicle No. C5047;
 - d) a second organic laboratory chronicle No. C5048;
 - e) an extract log-in sheet;
 - f) a shipper's certification for restricted articles;
 - g) a West Coast Technical Service (WCTS) sample report;
 - h) another WCTS sample report;
 - i) a prepared hazardous waste extract custody record;
 - j) a WCTS sample report;
 - k) a Federal Express receipt;
 - l) a ledger of sample type extracts;
 - m) data packages dated 4/18, 4/6, 4/19, and 4/13.
13. Letter to Ms. Christine Hladchuk, U.S. EPA, from J. D. Sheehan, Stauffer Chemical Company, re: Additional soil borings and analytical samples, 4/6/82. P. 100366-100375. Tables 1-7--soil borings, and a location diagram are attached.

14. Memorandum to U.S. EPA from Mr. Richard Amano and D. J. Northington, West Coast Technical Service Inc., re: Data for EPA sample No. C5047, C5048, 4/22/82. P. 100376-100606. The following are attached:
- a) an organic bench sheet, sample #260, 3/16;
 - b) a preparation parameter results and extracts, sample #633-260;
 - c) a grid sampling;
 - d) quantitation report #CD05047;
 - e) a quantitation report;
 - f) a mid mass chromatogram;
 - g) quantitation report #SO-2 633-260;
 - h) a second mid mass chromatogram;
 - i) quantitation report #C05048;
 - j) quantitation report #633-261;
 - k) mid mass chromatogram #5048;
 - l) various sampling data;
 - m) a mass chromatogram: fused silica sensitivity;
 - n) quantitation report #6502;
 - o) a mass spectrum: fused silica sensitivity;
 - p) mass chromatogram: ZONG BFB;
 - q) quantitation report #6502 volatile screening standard;
 - r) mid mass chromatogram: 70 UG/L 1,2,3,4-TCDD STD;
 - s) Table 3 - FSCC ongoing 2C data;
 - t) an internal standard response verification data sheet;

- u) organic analysis data sheet #13357-13360;
 - v) three memoranda regarding testing of lots;
 - w) a specifications and analytical methods sheet;
 - x) a sample analytical data/quality assurance review;
 - y) a memorandum regarding analytical work performed and the reports regarding case 904;
 - z) prepared hazardous waste extract custody record case 904;
 - aa) preparation parameter results and extracts #d633-261;
 - bb) organic bench sheet #261;
 - cc) a grid sheet;
 - dd) sample analytical data;
 - ee) an acknowledgement of completion for Technical Directive Document;
 - ff) a memorandum regarding meeting.
15. Memorandum to Mr. Daniel R. Donnelly, U.S. EPA, from Mr. Rick Dreisch, U.S. EPA, re: Stauffer Samples by Gas Chromatography/Mass Spectrometry for volatile organic compounds (VOA's), 4/29/82. P. 100607-100613. A QA Summary, two chain of custody records, and a memorandum regarding VOA samples are attached.
 16. Memorandum to Mr. Thomas C. Voltaggio, U.S. EPA, from Ms. Christine Hladchuk, U.S. EPA, re: Analytical results for residential well samples, 5/3/82. P. 100614-100617.
 17. Handwritten sample log, 4/27/82 and 5/6/82. P. 100618-100619. A map of the residential area is attached.
 18. U.S. EPA Potential Hazardous Waste Site Inspection Report, prepared by Alton Day Stone, 5/15/82. P. 100620-100629.

19. Memorandum to Mr. Daniel R. Donnelly, U.S. EPA, from Mr. Rick Dreisch, U.S. EPA, re: Samples of volatile organic compounds, 5/17/82. P. 100630-100634. The samples and a chain of custody record are attached.
20. Report: Hydrogeological Review of Delaware City PVC Site, prepared by Ecology and Environment, Inc., 6/3/82. P. 100635-100660. A map is attached.
21. Memorandum to Mr. Daniel R. Donnelly, U.S. EPA, from Mr. Rick Dreisch, U.S. EPA, re: Sample analysis by gas chromatography/mass spectrometry for volatile organic compounds, 6/9/82. P. 100661-100662.
22. State of Delaware Department of Natural Resources and Environmental Control (DNREC) Special Analytical Request, 6/17/82. P. 100663-100667. Three DNREC questionnaires are attached.
23. Report: A Letter Report of Delaware City PVC Plant, prepared by Ecology and Environment, Inc., 6/22/82. P. 100668-100677.
24. Letter to Mr. Alton Day Stone, Ecology and Environment, Inc., from Ms. Christine Hladchuk, U.S. EPA, re: Scheduling of a meeting in order to present the available information on the ground water contamination, 6/22/82. P. 100678-100680. Directions to the meeting are attached.
25. Report: A Site Inspection of Delaware PVC Plant, prepared by Ecology and Environment, Inc., 6/28/82. P. 100681-100996.
26. Acknowledgment of Completion for Technical Directive Document, prepared by Ecology and Environment, Inc., 6/29/82. P. 100997-100997.
27. Letter to Mr. Bruce McClellan, Stauffer Chemical Company, from Ms. Christine (Hladchuk) Altomari, U.S. EPA, re: Results of Phase I and the proposals for Phase II of the site investigation undertaken by Stauffer Chemical Company, 7/22/82. P. 100998-101001. EPA comments on a Roux Associates report are attached.
28. Memorandum to Mr. Bruce C. McClellan, Stauffer Chemical Company, from Ms. Christine Altomari, U.S. EPA, re: Copies of aerial photography, 12/10/82. P. 101002-101002.

29. Memorandum to Ms. Chris Altomarie [sic], U.S. EPA, from Mr. Daniel R. Donnelly, U.S. EPA, re: Data reports for volatile organic analyses, 12/13/82. P. 101003-101014. The data reports, and a memorandum regarding VOAs are attached.
30. Memorandum to file from Mr. Gerard W. Crutchla, U.S. EPA, re: Drinking water sampling survey, 1/17/83. P. 101015-101016.
31. Letter to Mr. and Mrs. Theodore Streaker from Mr. Thomas C. Voltaggio, U.S. EPA, re: Analytical results obtained from the resident's well, 1/19/83. P. 101017-101017.
32. Letter to Mr. Bruce S. McClellan, Stauffer Chemical Company, from Ramesh J. Shah, DNREC, re: Results of water well samples, 3/9/83. P. 101018-101022. The results are attached.
33. Letter to Mr. Bruce S. McClellan, Stauffer Chemical Company, from Ramesh J. Shah, DNREC, re: Quality control in the analysis of volatile halogenated hydrocarbons in drinking water, 3/28/83. P. 101023-101026. A memorandum regarding methodology and quality control procedures, a memorandum regarding the method used in quality control, and a nature quality control sheet are attached.
34. Letter to Ms. Chris Altomari, U.S. EPA, from Mr. Gary W. Wojcik, NUS Corporation, re: Collected groundwater samples from monitoring and private wells, 3/28/83. P. 101027-101033. Organic analysis data sheet-samples #29564-29567 and organic analysis data sheet-sample #29575 are attached.
35. Letter to Ms. Chris Altomari, U.S. EPA, from Ms. Debora B. Thompson, NUS Corporation, re: Delaware PVC analyses, 4/6/83. P. 101034-101071. Organic analysis data sheets samples #29564, 29565, 29575, 29566, 29567, 29568, 29569, 29570, a memorandum regarding remaining Delaware PVC analyses, and organic analysis data sheets for samples #29571, 29572, 29573, 29574 are attached.
36. Letter to Ms. Chris Altomari, U.S. EPA, from Mr. G. W. Wojcik, NUS Corporation, re: Brief literature search on the risk of exposure to vinyl chloride monomer (VCM) and ethylene dichloride (EDC), 5/18/83. P. 101072-101073.

37. Memorandum to Mr. Neil Swanson from Mr. Richard B. Howell III, re: Sample results taken in the Wrangle Hill area, 7/14/83. P. 101074-101108. The following are attached:
- a) three chemical analyses of well water;
 - b) seven DNREC questionnaires;
 - c) a memorandum regarding analytical results;
 - d) a letter regarding results of water samples;
 - e) fifteen chemical analysis/water supervision program forms.
38. Pumping Test forms, 8/21/83 - 8/22/83, 8/29/83 - 8/30/83, and 9/5/83 - 9/6/83. P. 101109-101147. A personal memorandum is attached.
39. Letter to Mr. Harold Byer, U.S. EPA, from Mr. Andrew Frebowitz, Mr. William Wentworth, and Mr. Garth Glenn, NUS Corporation, re: Ground water sampling of wells, 9/18/84. P. 101148-101159. The following are attached:
- a) a field trip report;
 - b) a site observations report;
 - c) a sample log;
 - d) a well location map.
40. Memorandum to Mr. Rich Zambito, U.S. EPA, from Mr. Daniel R. Donnelly, U.S. EPA, re: Results of Stauffer samples, 9/24/84. P. 101160-101163. A memorandum regarding water samples, a central regional laboratory sheet, and a chain of custody record are attached.
41. Memorandum to Ms. Galena Bendersky, U.S. EPA, from Mr. Daniel K. Donnelly, U.S. EPA, re: Delaware City VOA results, 12/31/84. P. 101164-101167. A memorandum regarding volatile organic compounds, a chain of custody record, and a special analytical service packing list are attached.
42. DNREC Questionnaire, sample #1-17, (undated). P. 101168-101224.

43. Background information, Delaware City PVC Plant, New Castle County, Delaware, (undated). P. 101225-101238. Two site location maps are attached.
44. Record of wells drawing water from the Potomac formation in New Castle County, Delaware, (undated). P. 101239-101240. A location map of water sampling is attached.
45. Report: Site Inspection Plan, prepared by Ecology and Environment, Inc., (undated). P. 101241-101256.
46. Report: Potential Hazardous Waste Site Inspection Report, prepared by Mr. William M. Thomas, (undated). P. 101257-101271.
47. Table I - Site Impoundments, (undated). P. 101272-101275. A pollutants findings sheet, an analytical report, and a summary of wells report are attached.

II. REMEDIAL ENFORCEMENT PLANNING

1. Letter to Mr. Ronald N. Stoufer, DNREC, from Mr. Charles Markowitz, Stauffer Chemical Company, 4/23/79. P. 200001-200014. Boring Logs for TB#1-5 and TB#7-13 are attached.
2. Letter to Ms. Christine Hladchuk, U.S. EPA, from Mr. Daniel McGrade, Stauffer Chemical Company, re: Transmittal of hydrogeologic report for the Delaware City (PVC) Plant, 7/2/82. P. 200015-200018. Table A - Concentration of VCM and EDC in Delaware City Plant Residences, Trailer Water Supply 5/14/82, is attached.
3. Letter to Mrs. Christine Altomari, U.S. EPA, from Mr. Bruce S. McClellan, Stauffer Chemical, re: Hydrogeologic investigation - Delaware City Plant, 10/29/82. P. 200019-200021. P.H. Roux & Associates, Inc. recommendations are attached.
4. Letter to Mr. Bruce McClellan, Stauffer Chemical Company, from Mr. William J. Berk, New England Pollution Control Co., Inc., re: Confirmation of work on Stauffer Chemical Co. site, 10/27/82. P. 200022-200022.
5. Letter to Mr. Bruce McClellan, Stauffer Chemical Company, from Ms. Christine Altomari, U.S. EPA, re: Stauffer sampling activities at the site, 12/10/82. P. 200023-200026. Attachment A - EPA recommended work items for the Delaware City PVC Site, Delaware City, Delaware and Attachment B - Monthly Progress Report are attached.
6. Letter to Ms. Christine Altomari, U.S. EPA, from Mr. Bruce S. McClellan, Stauffer Chemical Company, re: On-going ground water investigation, 12/22/82. P. 200027-200031. Table I - Analysis of Delaware City Well Water for Vinyl Chloride monomer (VCM) and 1, 2 - Dichloroethane (EDC), Table II - Quality Assurance Data, and a hand-drawn location map are attached.
7. Letter to Ms. Christine Altomari, U.S. EPA, from Mr. Bruce S. McClellan, Stauffer Chemical Company, re: Results of Chemical analyses of ground water samples, 4/21/83. P. 200032-200038. The following are attached:

- a) Table I - Analysis of Delaware City Area Well Water for Vinyl Chloride monomer (VCM) and 1,2-Dichlorethane (EDC);
 - b) Table II - Analysis of Delaware City Area monitoring wells for volatile priority pollutants by Purge and Trap Gas Chromatography/Mass Spectrometry;
 - c) Table I - A - Analysis of Delaware City Area Well Water for vinyl chloride monomer (VCM) and 1,2-Dichloroethane (EDC);
 - d) Table II - A - Analysis of Delaware City Area monitoring well OW-12 for Volatile Priority Pollutants by EPA method 624, Purge and Trap Gas Chromatography/Mass Spectrometry;
 - e) Table III - Quality Assurance Data.
- 8. Letter to Mr. Thomas C. Voltaggio, U.S. EPA, from Mr. Bruce S. McClellan, Stauffer Chemical Company, re: Analytical results of area wells, 6/30/83. P. 200039-200043. Table I - Analysis of Delaware City Area Well Water for Vinyl Chloride Monomer (VCM) and 1,2-Dichloroethane (EDC), Table II - Analysis of Delaware City Area Well Water for Vinyl Chloride Monomer (VCM) and 1,2-Dichloroethane (EDC), and Figure I - a location map are attached.
- 9. Administrative Order on Consent In the Matter of: Formosa Plastics Corporation Delaware, Stauffer Chemical Company, Delaware City PVC Site, Docket No.III-84-6-DC, 5/16/84. P. 200044-200086. The following are attached:
 - a) Attachment A - Site Location Map;
 - b) Attachment B - Area of Investigation map and Reference Point Locations;
 - c) Attachment C - Outline Remedial Action Feasibility Study;
 - d) Time Schedule - Proposed Feasibility Study;
 - e) Attachment I - Proposed Pump Testing;
 - f) a sketch of Delaware PVC Site wells;

- g) Figure I - a location map with apparent groundwater flow directions;
 - h) a deed between Stauffer Chemical Company and Formosa Plastics Corporation, Delaware;
 - i) Map 2 - Delaware City PVC.
10. Letter to Mr. Richard Zambito, U.S. EPA, from Mr. Bruce S. McClellan, Stauffer Chemical Company, re: Summary of analysis, on-site residential wells and adjacent off-site wells, 6/26/84. P. 200087-200096. The following are attached:
- a) Table 1 - Analysis of Delaware City Area Well Water for vinyl chloride monomer (VCM) and 1,2-Dichloroethane (EDC);
 - b) Table 1 - Analysis of Delaware City Area Well water for Vinyl Chloride Monomer (VCM) and 1,2-Dichloroethane (EDC);
 - c) Table 1 - Analysis of Delaware City Area Well Water for Vinyl Chloride Monomer (VCM) and 1,2-Dichloroethane (EDC);
 - d) a memorandum regarding quarterly well sampling - Delaware City;
 - e) a memorandum regarding VCM and EDC in Delaware City Area Wells;
 - f) a memorandum regarding Alger/Koval Quarterly Well Sampling - Delaware City;
 - g) a letter regarding data on Wrangle Hill Station water supply;
 - h) a letter regarding organic results in parts per billion for the Wrangle Hill Station;
 - i) a certificate of analysis for water samples received March 18, 1983.

III. REMEDIAL RESPONSE PLANNING

1. Letter to Ms. Christine Hladchuk, U.S. EPA, from Mr. J. D. Sheehan, Stauffer Chemical Company, re: Soil boring analyses, 4/6/82. P. 300001-300010. The analyses and a location diagram are attached.
2. Report: Hydrogeology and Ground Water Conditions, prepared by Roux Associates, 2/4/83. P. 300011-300147.
3. Summary Report: Soil and Ground-Water Investigations, prepared by Stauffer Chemical Company, 2/4/83. P. 300148-300170.
4. Memorandum to file from Ms. Chris Altomari, U.S. EPA, re: Re-sampling of off-site residential wells, 3/11/83. P. 300171-300176. The following are attached:
 - a) a letter regarding the summary of sampling results;
 - b) a memorandum regarding contaminated ground water supplies;
 - c) a chemical examination of the water report;
 - d) a synthetic organics report.
5. Letter to Mr. Richard L. Zambito, U.S. EPA, from Mr. Bruce S. McClellan, Stauffer Chemical Company, re: Progress report on Feasibility Study, 10/4/84. P. 300177-300221. Table 1 - Analysis of well water, a memorandum regarding Remedial Action Feasibility Study, and the progress report are attached.
6. Letter to Ms. Galina Bendersky, U.S. EPA, from Mr. Bruce S. McClellan, Stauffer Chemical Company, re: Second progress report, 9/6/84. P. 300222-300231. The report is attached.
7. Report: A Field Trip Report for Delaware City PVC, prepared by NUS Corporation, 4/3/85. P. 300232-300247.
8. Report: Delaware City PVC Site Remedial Action Feasibility Study, prepared by Formosa Plastics Corporation and Stauffer Chemical Company, 9/85. P. 300248-300612. A ground water analytical map, a water-

level contour map, and a remedial alternatives I and II map are attached.

9. Letter to Mr. Bruce McClellan, Stauffer Chemical Company, from Mr. Joseph J. Hardman, DNREC, re: Comments on Remedial Action Feasibility Study, 4/25/86. P. 300613-300614.
10. Letter to Ms. Galina Bendersky, U.S. EPA, from Mr. Thomas R. Pisciotta, Malcolm Pirnie, Inc., re: Omitted survey data from the Remedial Action Feasibility Study Report dated June, 1986, 7/10/86. P. 300615-300619. The survey data is attached.
11. Memorandum to Ms. Galina Bendersky, U.S. EPA, from Mr. Dominic DiGiulio, U.S. EPA, re: Manual calculations of soil criteria, 8/8/86. P. 300620-300633. The manual calculations are attached.
12. Letter to Mr. Dennis Carney, U.S. EPA, from Ms. Alice E. Boomhower, Formosa Plastics Corporation Delaware, re: Review of EPA's proposed remedial action, 9/5/86. P. 300634-300634.
13. Letter to Ms. Galina Bendersky, U.S. EPA, from Mr. Bruce S. McClellan, Stauffer Chemical Company, re: Comments on the U.S. EPA and DNREC Fact Sheet, 9/8/86. P. 300635-300636.
14. Letter to Mr. Dennis Carney, U.S. EPA, from Mr. Augustus M. Mergenthaler, DNREC, re: Comments on the draft Record of Decision, 9/23/86. P. 300637-300638.
15. Letter to Mr. Steven R. Wassersug, U.S. EPA, from Mr. Robert J. Touhey, DNREC, re: Review of Remedial Action Feasibility Study, 9/30/86. P. 300639-300639.
16. Record of Decision, Delaware City PVC Site, 9/30/86. P. 300640-300697.
17. EPA and DNREC Fact Sheet, Delaware City PVC Site, (undated). P. 300698-300702.
18. DNREC's comments on the draft Feasibility Study, (undated). P. 300703-300707.
19. Letter to Mr. Randy Sturgeon, U.S. EPA, from Mr. Stephen F. Johnson, DNREC, re: Full approval and

support of the Explanation of Significant Differences,
5/29/91. P. 300708-300708.

20. Letter to Mr. Randy Sturgeon, U.S. EPA, from Mr. Louis J. LaCorte, Formosa Plastics Corporation Delaware, re: Use of the proposed storm water storage tank to replace basins in the Delaware City PVC Remediation Project, 6/24/91. P. 300709-300709.
21. Letter to Mr. Randy Sturgeon, U.S. EPA, from Mr. Gilbert J. Meyer Jr., re: Objection to the proposed use of an air stripper at the Delaware City PVC Superfund Site, 8/7/91. P. 300710-300710.
22. Letter to Mr. R. Sturgeon, U.S. EPA, from M.L. Beers, ICI Americas Inc., re: Comments on the Explanation of Significant Differences from the Record of Decision for the Delaware City PVC Site, 8/16/91. P. 300711-300720.
The following are attached:
 - a) a letter regarding prepared projections of expected concentration of EDC from Well B;
 - b) a graph of projected concentration of EDC in Well B;
 - c) a map of initial EDC distribution: case 1;
 - d) a map of initial EDC distribution: case 2;
 - e) a map of Delaware City PVC Site well locations.
23. Explanation of Significant Differences, Delaware City PVC Superfund Site, New Castle County, Delaware, 12/18/91. P. 300721-300731.
24. Letter to Mr. Mel Beers, ICI Americas Inc., from Mr. Randy Sturgeon, U.S. EPA, re: Explanation of Significant Differences, 1/14/92. P. 300732-300732.
25. Draft Explanation of Significant Differences, Delaware City PVC Superfund Site, New Castle County, Delaware, (undated). P. 300733-300739.

V. COMMUNITY INVOLVEMENT/CONGRESSIONAL CORRESPONDENCE/IMAGERY

1. Map No.2, Preliminary Elevation of Low Resistivity Layer, Delaware City, Delaware, prepared by Stauffer Chemical Company, 9/82. P. 500001-500001.
2. Map, Ground-Water [sic] Analytical Results, prepared by P.H. Roux and Associates, Inc., 10/82. P. 500002-500002.
3. Map, Water Table Map, November 30, 1982, prepared by P.H. Roux and Associates, Inc., 10/82. P. 500003-500003.
4. Map, Well Location Map, prepared by P.H. Roux and Associates, Inc., 10/82. P. 500004-500004.
5. Letter to Mr. Bobby J. Pennington from Mr. Richard B. Howell, III, Office of Sanitary Engineering, re: Results of well water sampling, 5/16/83. P. 500005-500005.
6. Letter to Mr. Edward Shetzler from Mr. Richard B. Howell, III, Office of Sanitary Engineering, re: Results of well water sampling, 5/16/83. P. 500006-500006.
7. Letter to Ms. Pearla M. Wilson from Mr. Richard B. Howell, III, Office of Sanitary Engineering, re: Results of well sampling, 5/16/83. P. 500007-500007.
8. Letter to Mr. John S. Davidson from Mr. Richard B. Howell, III, Office of Sanitary Engineering, re: Results of well sampling, 5/16/83. P. 500008-500008.
9. Letter to Mr. Raymond Wilson from Mr. Richard B. Howell, III, Office of Sanitary Engineering, re: Results of well sampling, 5/16/83. P. 500009-500009.
10. Letter to Mr. Gilbert Goldsborough from Mr. Richard B. Howell, III, Office of Sanitary Engineering, re: Results of well sampling, 5/17/83. P. 500010-500010.
11. Letter to Mr. Clarence McGhee from Mr. Richard B. Howell, III, Office of Sanitary Engineering, re: Results of well sampling, 5/17/83. P. 500011-500011.

12. Letter to Mr. Henry Keller from Mr. Richard B. Howell, III, Office of Sanitary Engineering, re: Results of well sampling, 5/17/83. P. 500012-500012.
13. Letter to Mr. Bill Scallion from Mr. Richard B. Howell, III, Office of Sanitary Engineering, re: Results of well sampling, 5/17/83. P. 500013-500013.
14. Letter to Mr. Ebbo Leonzio from Mr. Richard B. Howell, III, Office of Sanitary Engineering, re: Results of well sampling, 5/17/83. P. 500014-500014.
15. Letter to Mr. John P. Wiley from Mr. Richard B. Howell, III, Office of Sanitary Engineering, re: Results of well sampling, 5/17/83. P. 500015-500015.
16. Letter to Mr. Herman Kline from Mr. Richard B. Howell, III, Office of Sanitary Engineering, re: Results of well sampling, 5/17/83. P. 500016-500016.
17. Letter to Mr. James Spicer from Mr. Richard B. Howell, III, Office of Sanitary Engineering, re: Results of well sampling, 5/16/83. P. 500017-500017.
18. Letter to Mr. Eugene F. Kraemer from Mr. Richard B. Howell, III, Office of Sanitary Engineering, re: Results of well sampling, 5/17/83. P. 500018-500018.
19. Press Release from U.S. EPA Environmental News entitled "Stauffer Chemical and Formosa Plastics Agree to Clean Up Delaware PVC Superfund Site." 5/24/84. P. 500019-500019.
20. Press Release from U.S. EPA Environmental News entitled "Stauffer Chemical and Formosa Plastics Agreement Comment Period Extended." 7/6/84. P. 500020-500020.
21. Map, Water-Level Contour Map, April 10, 1984, prepared by Roux Associates Inc., 12/84. P. 500021-500021.
22. Map, Remedial Alternatives I and II (Pumpage) for Identified Plume, prepared by Roux Associates Inc., 12/84. P. 500022-500022.
23. Map, Ground-Water [sic] Analytical Results, August, 1984, prepared by Roux Associates Inc., 12/84. P. 500023-500023.

24. Map, Water-Level Contour Under Alternative I Pumping Conditions, prepared by Roux Associates Inc., 7/85. P. 500024-500024.
25. EPA and DNREC Fact Sheet, Preferred Remedial Alternative, Delaware City PVC Site, (undated). P. 500025-500029. Three Delaware City PVC Site Remedial Action alternatives tables are attached.
26. Letter to Mr. Alan Brown, U.S. EPA, from Ms. Katrina A. Celenza, Dynamac Corporation, re: Tear sheet for the display advertisement announcing EPA's Explanation of Significant Difference for the Delaware City PVC Superfund Site, 8/15/91. P. 500030-500031. A copy of the advertisement is attached.